

Comparisons of Job Characteristics

Focus Occupation: **Dentists, General (29-1021)**

Associated Occupation: **Prosthodontists (29-1024)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	22.3	22.7	0	Current knowledge level may be sufficient
Psychology	6.4	13.5	15.8	>	Current knowledge level is likely sufficient
Biology	3.7	12.4	17.4	>>	Current knowledge level is likely more than sufficient
Chemistry	4.8	11.5	12.7	>	Current knowledge level is likely sufficient
Sales and Marketing	5.2	10.7	8.5	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	9.8	11.0	>	Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Social Perceptiveness	9.1	12.2	12.3	0	Current skill level may be sufficient
Service Orientation	7.9	10.5	12.2	>	Skill level is likely sufficient
Management of Personnel Resources	6.9	10.0	10.8	0	Current skill level may be sufficient
Operations Analysis	5.0	9.3	5.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 90		
Focus Occupation: Dentists, General (29-1021) Associated Occupation: Prosthodontists (29-1024)				
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Near Vision	11.1	14.1	17.5	>> Current ability level is likely more than sufficient
Oral Expression	12.4	13.3	14.8	> Current ability level is likely sufficient
Oral Comprehension	12.5	13.2	16.5	>> Current ability level is likely more than sufficient
Finger Dexterity	7.6	12.9	16.9	>> Current ability level is likely more than sufficient
Speech Recognition	9.9	12.3	13.2	0 Current ability level may be sufficient
Manual Dexterity	6.5	11.6	14.6	> Current ability level is likely sufficient
Speech Clarity	10.2	11.2	11.8	0 Current ability level may be sufficient
Problem Sensitivity	11.1	11.1	17.6	>> Current ability level is likely more than sufficient
Arm-Hand Steadiness	6.8	10.6	15.7	>> Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 100
Focus Occupation: Dentists, General (29-1021) Associated Occupation: Prosthodontists (29-1024)		
Work Activities	Exclusivity of Activity	
Administer anesthetics	77	
Administer injections	60	
Administer medications or treatments	46	
Analyze dental data	89	
Calculate medical dosages	77	
Collect clinical data	56	
Collect dental laboratory diagnostic data	89	
Communicate technical information	4	
Conduct patient assessments	69	
Counsel patients concerning diet	81	
Follow clinical radiation safety procedures	77	
Follow dental or medical x-ray procedures	81	

Follow infectious materials procedures	52
Follow patient care procedures	60
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Monitor patient's condition	87
Obtain information from clients, customers, or patients	40
Operate dental equipment	89
Perform minor surgery	82
Prepare patient reports	66
Prescribe or recommend drugs, medical devices or other forms of treatment	76
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use counseling techniques	60
Use dental treatment procedures	87
Use emergency medical treatment procedures	76
Use interpersonal communication techniques	10
Use knowledge of investigation techniques	16
Use knowledge of medical terminology	40
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48
Write technical health or medical documents	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Dentists, General (29-1021)
Associated Occupation: Prosthodontists (29-1024)

Tools and Technologies	Exclusivity
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Cosmetic dentistry equipment and supplies	56
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental hygiene and preventive care equipment and supplies	70
Dental imaging equipment and supplies	47
Dental impression and forming equipment and supplies	56
Dental laboratory and sterilization equipment and supplies	62
Industry specific software	1

Medical gloves and accessories	19
Medical staff clothing and related articles	17
Orthodontic and prosthodontic equipment and supplies	62
Surgical equipment and accessories and related products	23
Viewing and observing instruments and accessories	4
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.